

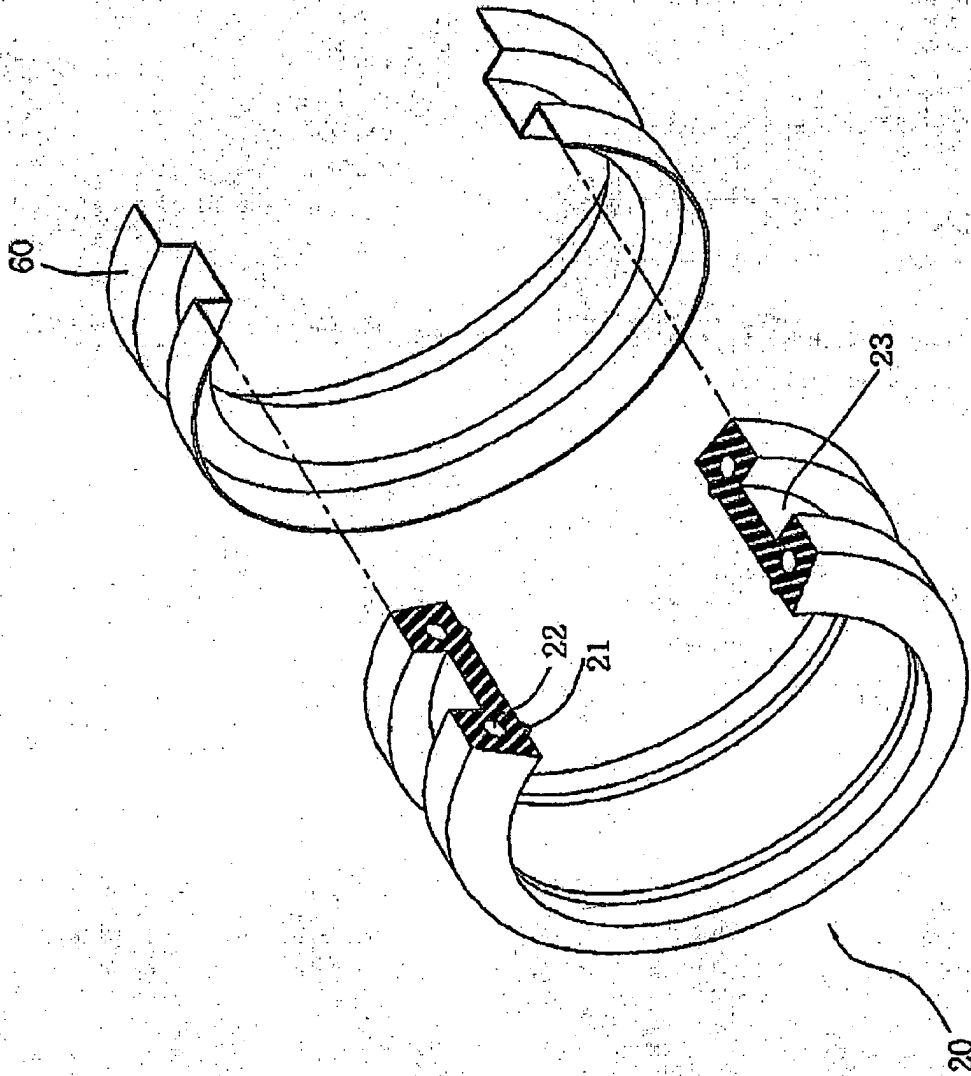
Title: PIPE JOINT DEVICE BY FLANGE

Inventor: Su Gen Kim

App. No.: 10/566,284

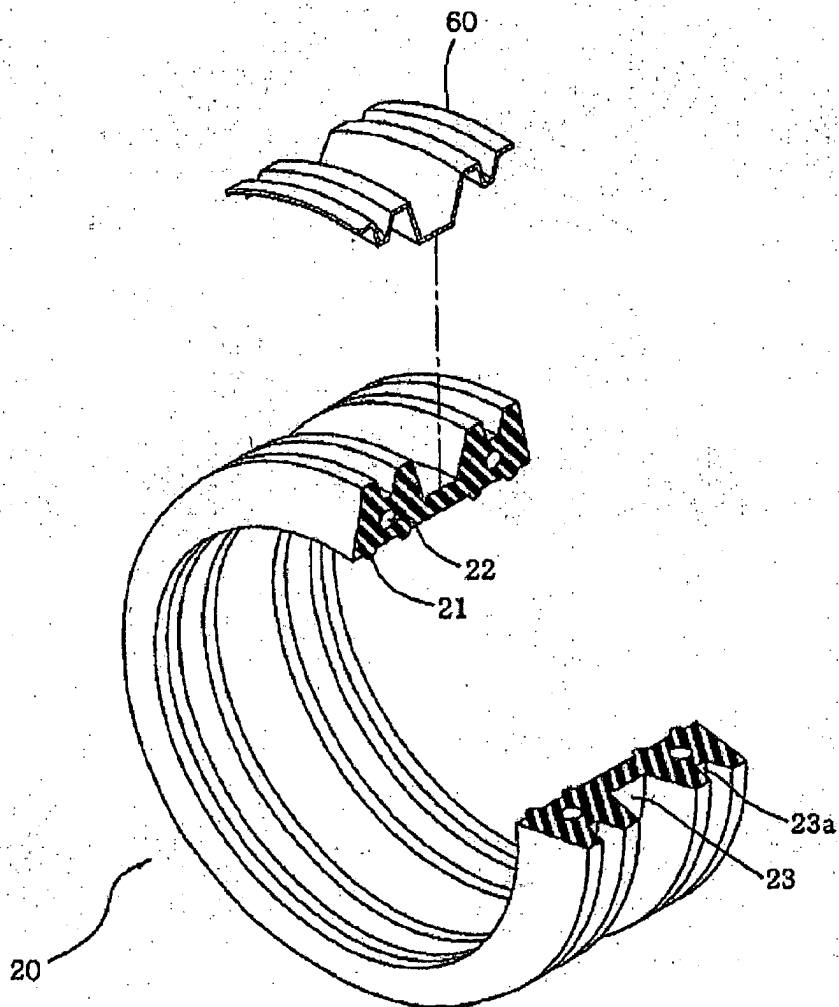
Docket No.: 114260-017

FIG. 1



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FIG. 2



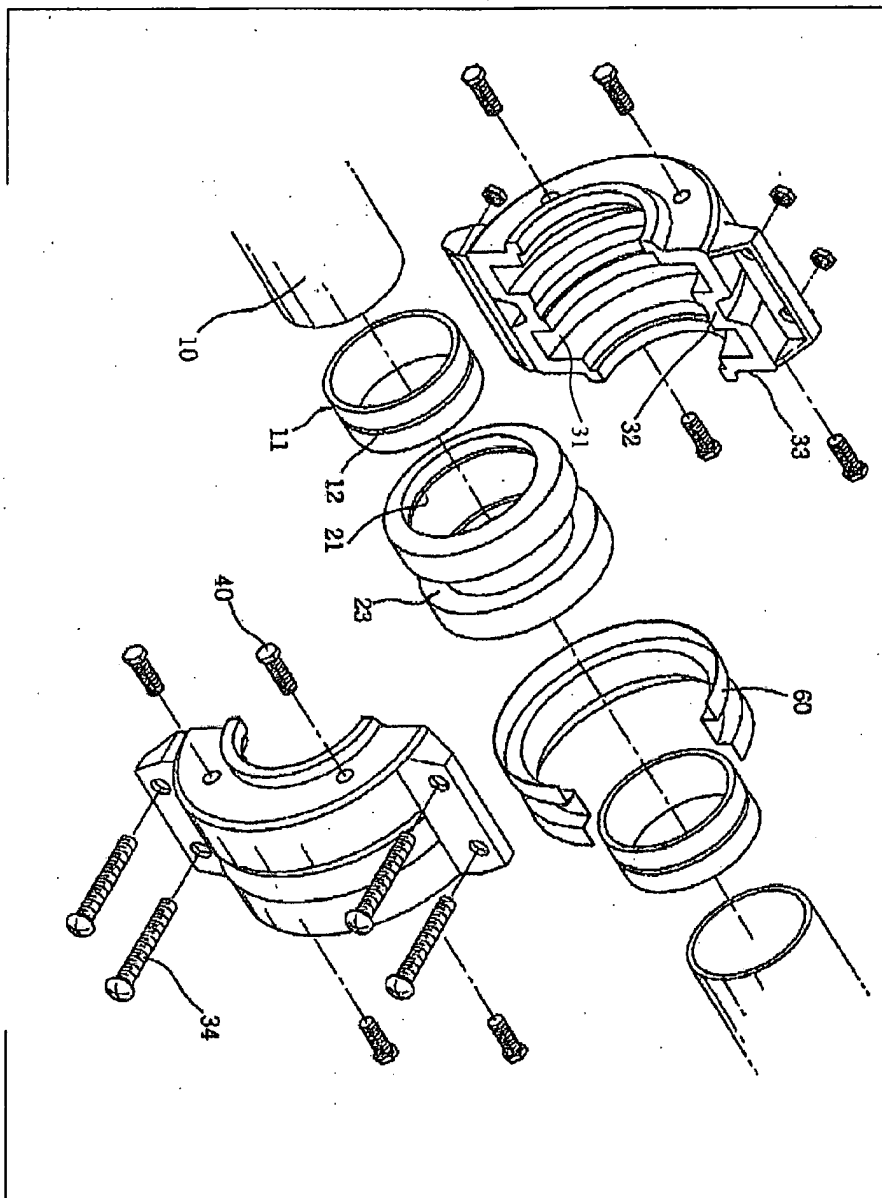
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FIG. 4



This diagram shows a cross-sectional view of a device with a central vertical channel. The device consists of several layers. The top layer (11) contains a series of rectangular blocks (12) separated by gaps (13). These blocks are connected to a central vertical channel (32) by a series of small rectangular blocks (32a). The top layer is also connected to a bottom layer (21) by a series of small rectangular blocks (22). The bottom layer (21) contains a series of rectangular blocks (23) separated by gaps (24). The central vertical channel (32) is formed by a series of rectangular blocks (30) that are connected to the top layer (11) and the bottom layer (21). The device is also connected to a series of small rectangular blocks (40) and (50) on the right side.

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FIG. 8

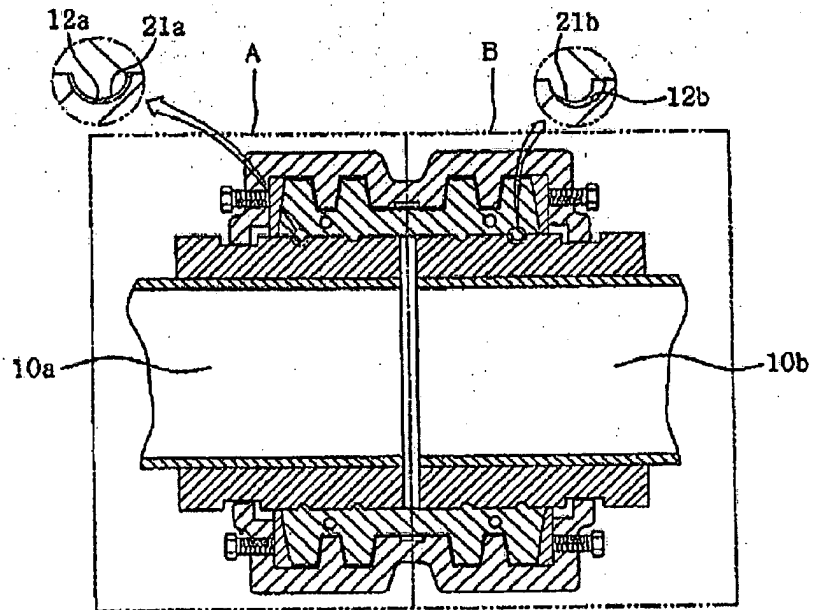
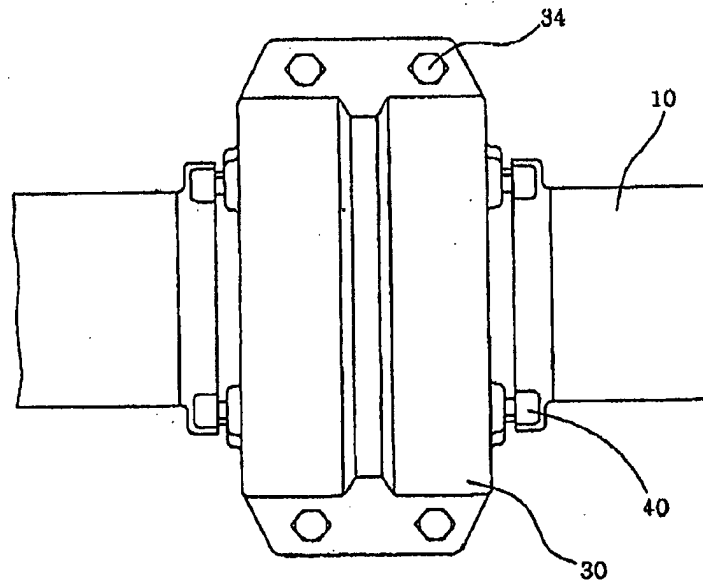


FIG. 9



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FIG. 10

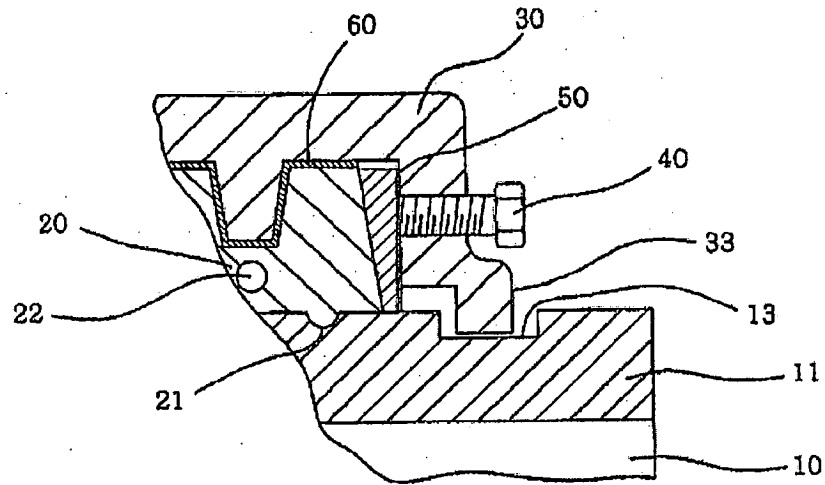
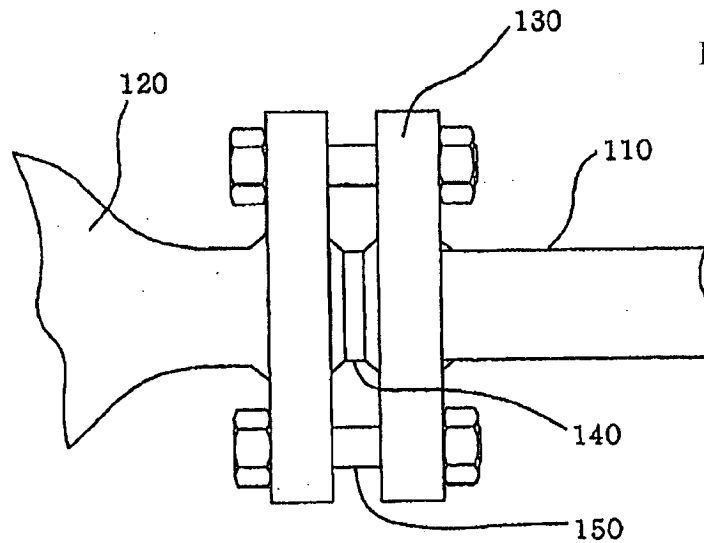


FIG. 11



PRIOR ART

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FIG. 12

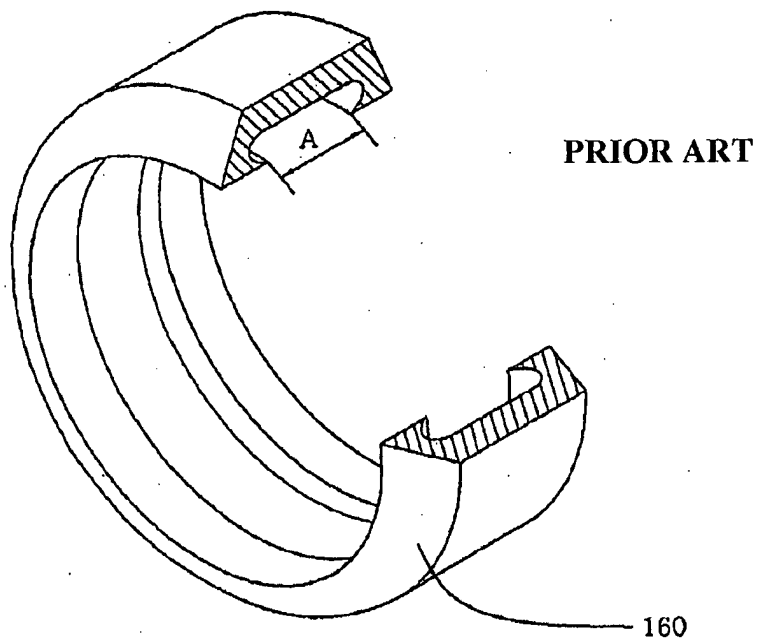


FIG. 13

